

VIA FACSIMILE TO 1-703-872-9308

PTO/SB/21 (08-03)  
Approved for use through 07/31/2006, OMB 0851-0031  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

|   |                      |                            |                       |
|---|----------------------|----------------------------|-----------------------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) | Application Number   | 09/869,989                 |                       |
|   | Filing Date          | 07/09/2001                 |                       |
|   | First Named Inventor | Sylvain S. Hantzer, et al. |                       |
|   | Air Unit             | 1764                       |                       |
|   | Examiner Name        | James Arnold, Jr.          |                       |
| Total Number of Pages in This Submission  | 5                    | Attorney Docket Number     | JHT-0003 (P1997J057E) |

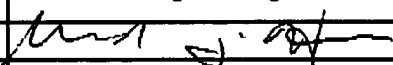
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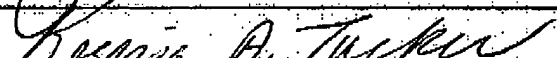
OFFICE

| ENCLOSURES (Check all that apply)  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Group                            |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input checked="" type="checkbox"/> Amendment/Reply                          | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                       |
| <input type="checkbox"/> Express Abandonment Request                         | <input checked="" type="checkbox"/> Terminal Disclaimer                   |  |
| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    | Remarks   |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | Response to 12/22/03 Office Action with Terminal Disclaimer and fee.      |  |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |   |
|-------------------------|---|
| Firm or Individual name | Gerard J. Hughes, Reg. No. 41,855   |
| Signature               |  |
| Date                    | January 9, 2004   |

## CERTIFICATE OF TRANSMISSION/MAILING

|   |  |
|---|--|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |  |
| Typed or printed name   | Regina A. Tucker   |
| Signature   |  |
| Date  | 01/09/2004   |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

Approved for use through 07/31/2008, OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent Fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$): 110.00

## Complete if Known

Application Number: 09/869,989  
 Filing Date: 07/09/2001  
 First Named Inventor: Sylvain S. Hantzer, et al.  
 Examiner Name: James Arnold, Jr.  
 Art Unit: 1764  
 Attorney Docket No.: JHT-0003

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:

Deposit Account Number: 05-1330  
 Deposit Account Name: ExxonMobil Research and Engineering Company

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001: 770                  | 2001: 385                  | Utility filing fee     |          |
| 1002: 340                  | 2002: 170                  | Design filing fee      |          |
| 1003: 580                  | 2003: 295                  | Plant filing fee       |          |
| 1004: 770                  | 2004: 385                  | Reissue filing fee     |          |
| 1005: 180                  | 2005: 80                   | Provisional filing fee |          |

SUBTOTAL (1) (\$):

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims: 20\*\* = 18.00 X 18.00 = 324.00  
 Independent Claims: 3\*\* = 88.00 X 88.00 = 7744.00  
 Multiple Dependent

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 1202: 18                   | 2202: 9                    | Claims in excess of 20                                     |
| 1201: 88                   | 2201: 43                   | Independent claims in excess of 3                          |
| 1203: 290                  | 2203: 145                  | Multiple dependent claim, if not paid                      |
| 1204: 88                   | 2204: 43                   | ** Reissue independent claims over original patent         |
| 1205: 18                   | 2205: 9                    | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$):

\*\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$)                                   | Fee Code (\$) | Fee Description  | Fee Paid |
|---|---------------|--|----------|
| 1051: 130                                       | 2051: 65      | Surcharge - late filing fee or oath  |          |
| 1052: 50  | 2052: 25      | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053: 130                                       | 2053: 130     | Non-English specification  |          |
| 1812: 2,520                                     | 1812: 2,520   | For filing a request for ex parte reexamination                            |          |
| 1804: 920                                       | 1804: 920     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805: 1,840                                     | 1805: 1,840   | Requesting publication of SIR after Examiner action                        |          |
| 1251: 110                                       | 2251: 55      | Extension for reply within first month                                     |          |
| 1252: 420                                       | 2252: 210     | Extension for reply within second month                                    |          |
| 1263: 950                                       | 2253: 475     | Extension for reply within third month                                     |          |
| 1254: 1,480                                     | 2254: 740     | Extension for reply within fourth month                                    |          |
| 1255: 2,010                                     | 2255: 1,005   | Extension for reply within fifth month                                     |          |
| 1401: 330                                       | 2401: 165     | Notice of Appeal   |          |
| 1402: 330                                       | 2402: 165     | Filing a brief in support of an appeal                                     |          |
| 1403: 280                                       | 2403: 145     | Request for oral hearing   |          |
| 1451: 1,510                                     | 2451: 1,510   | Petition to institute a public use proceeding                              |          |
| 1452: 110                                       | 2452: 55      | Petition to revive - unavoidable   |          |
| 1453: 1,330                                     | 2453: 665     | Petition to revive - unintentional   |          |
| 1501: 1,330                                     | 2501: 665     | Utility issue fee (or reissue)   |          |
| 1502: 480                                       | 2502: 240     | Design issue fee   |          |
| 1503: 640                                       | 2503: 320     | Plant issue fee  |          |
| 1460: 130                                       | 1460: 130     | Petitions to the Commissioner  |          |
| 1807: 50  | 1807: 50      | Processing fee under 37 CFR 1.17(d)  |          |
| 1808: 180                                       | 1808: 180     | Submission of Information Disclosure Stmt                                  |          |
| 8021: 40  | 8021: 40      | Recording each patent assignment per property (times number of properties) |          |
| 1809: 770                                       | 2809: 385     | Filing a submission after final rejection (37 CFR 1.129(e))                |          |
| 1810: 770                                       | 2810: 385     | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801: 770                                       | 2801: 385     | Request for Continued Examination (RCE)                                    |          |
| 1802: 900                                       | 1802: 900     | Request for expedited examination of a design application                  |          |
| Other fee (specify) 1814 - Statutory Disclaimer |               |  | 110.00   |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$): 110.00

## SUBMITTED BY

Name (Print/Type) Gerard J. Hughes

Registration No. /Attorney/Agent

41,855

(Complete if applicable)

Telephone (225) 977-4942

Signature

Date

9 January 2004

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